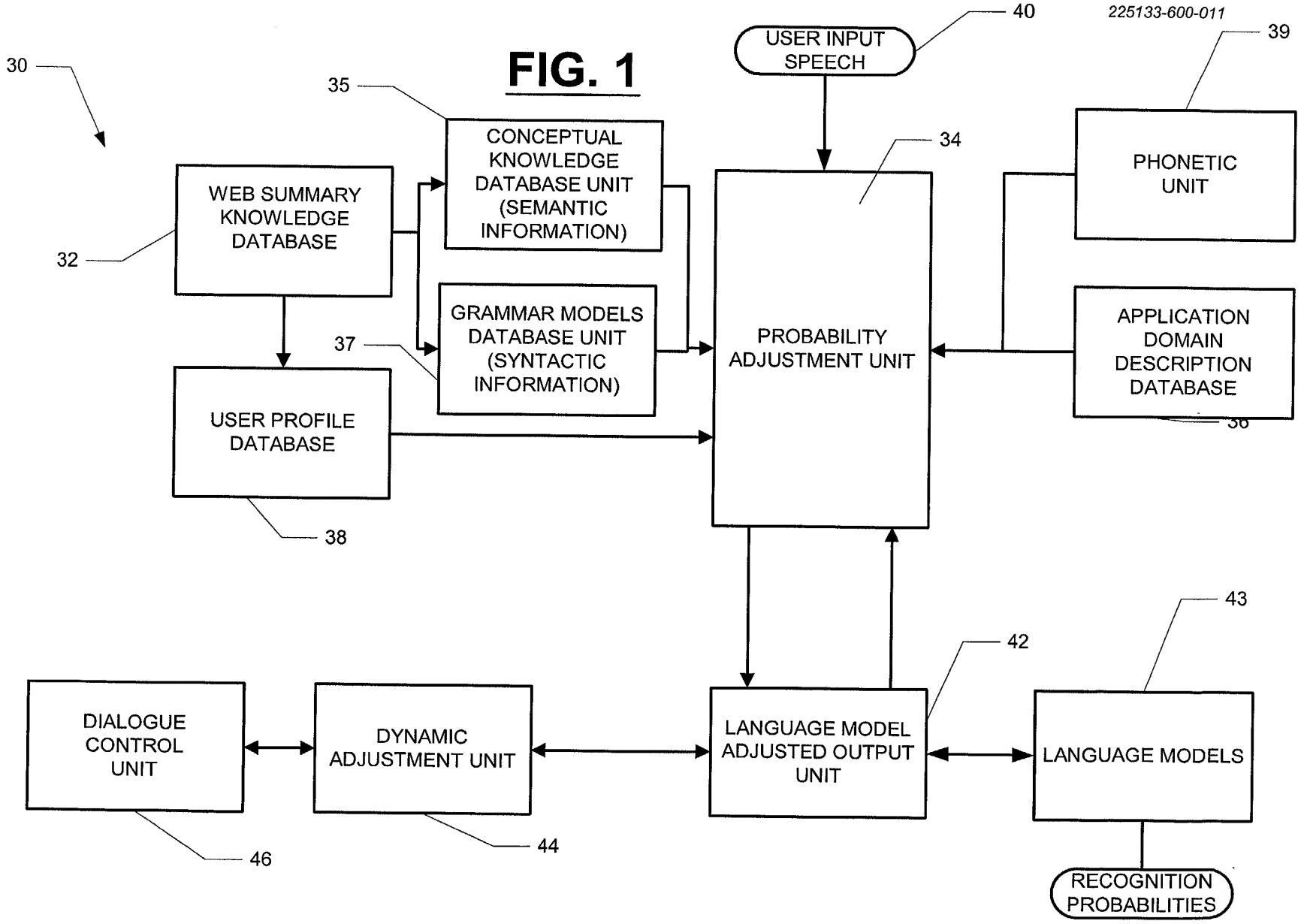
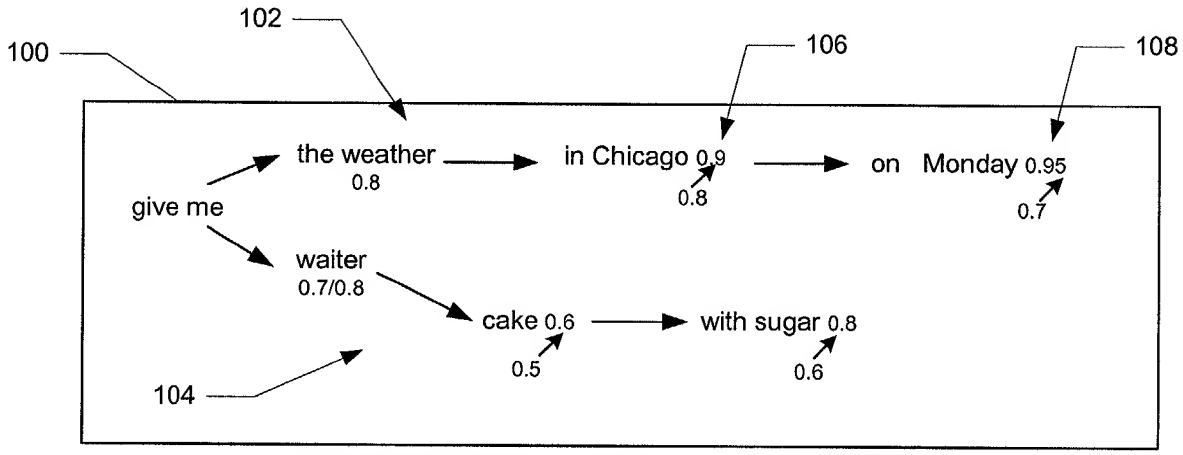
Toh260" 5thOh9860

FIG. 1





N-BEST SEARCH WITH PROBABILITY ADJUSTMENT

FIG. 2

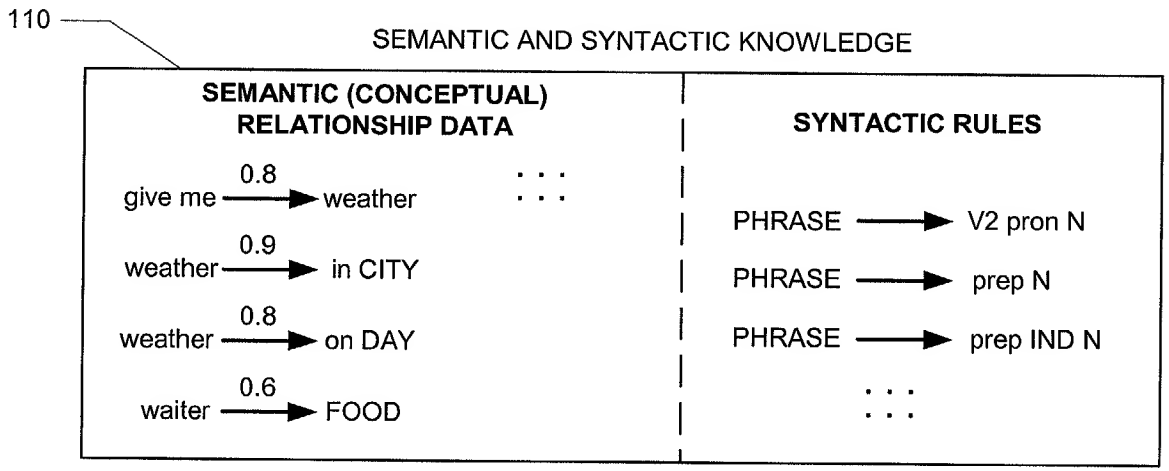

110
SEMANTIC AND SYNTACTIC KNOWLEDGE
SEMANTIC (CONCEPTUAL) RELATIONSHIP DATA
SYNTACTIC RULES
give me 0.8 weather
weather 0.9 in CITY
weather 0.8 on DAY
waiter 0.6 FOOD
PHRASE V2 pron N
PHRASE prep N
PHRASE prep IND N

FIG. 3

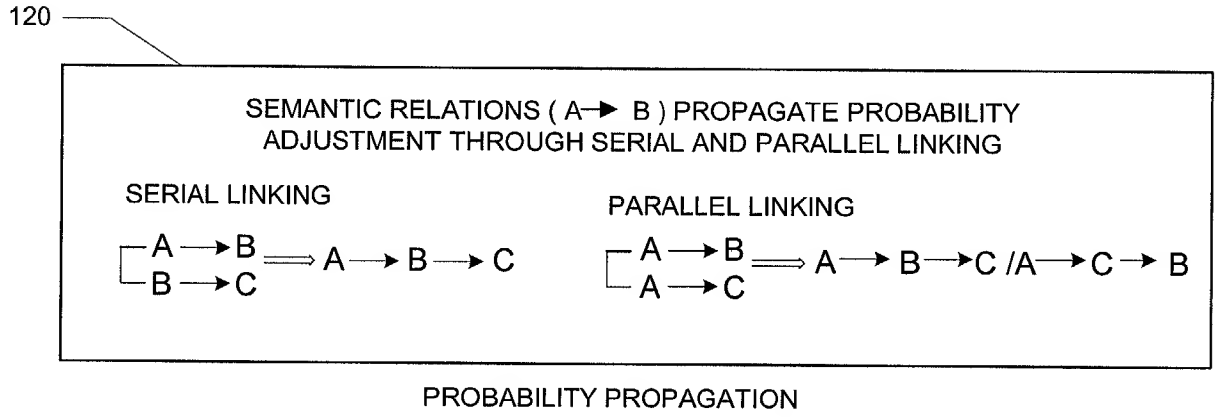

120
SEMANTIC RELATIONS (A→ B) PROPAGATE PROBABILITY
ADJUSTMENT THROUGH SERIAL AND PARALLEL LINKING
SERIAL LINKING
A→B
B→C
⟹ A→B→C
PARALLEL LINKING
A→B
A→C
⟹ A→B→C /A→C→B
PROBABILITY PROPAGATION

FIG. 4

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FIG. 5

36

		WORDS			
		REFILL-INK	OUTDOOR	OFFENSE	OUTPUT
DOMAINS	ENTERTAINMENT	L	H	L	L
	COMPUTER PRINTERS	H	L	L	H
	LAW	L	L	H	L
	WEATHER	L	H	L	L

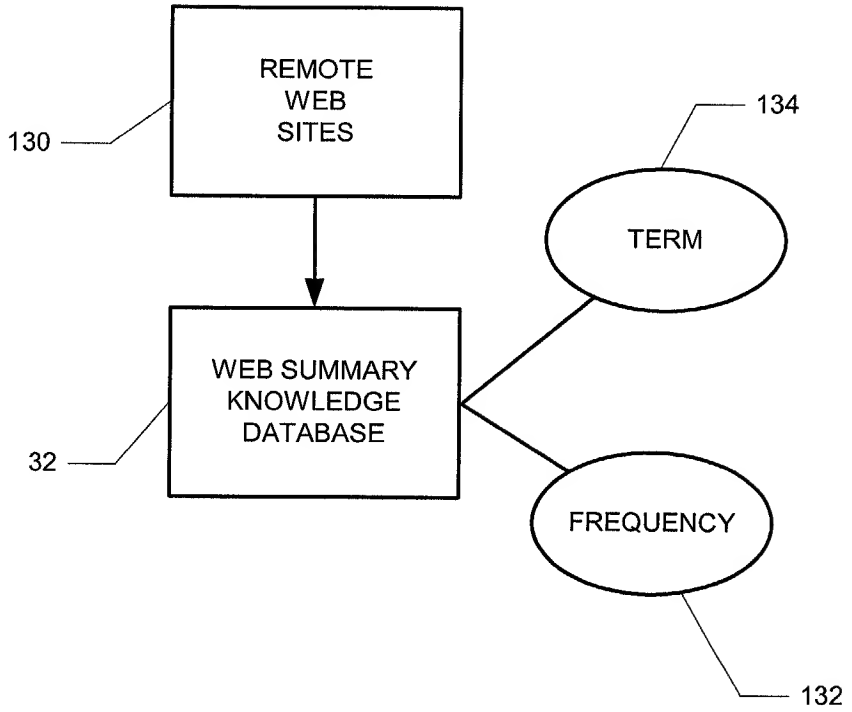
REMOTE
WEB
SITES
130
134
TERM
WEB SUMMARY
KNOWLEDGE
DATABASE
32
FREQUENCY
132

FIG. 6

Toh260" 5h0h9860

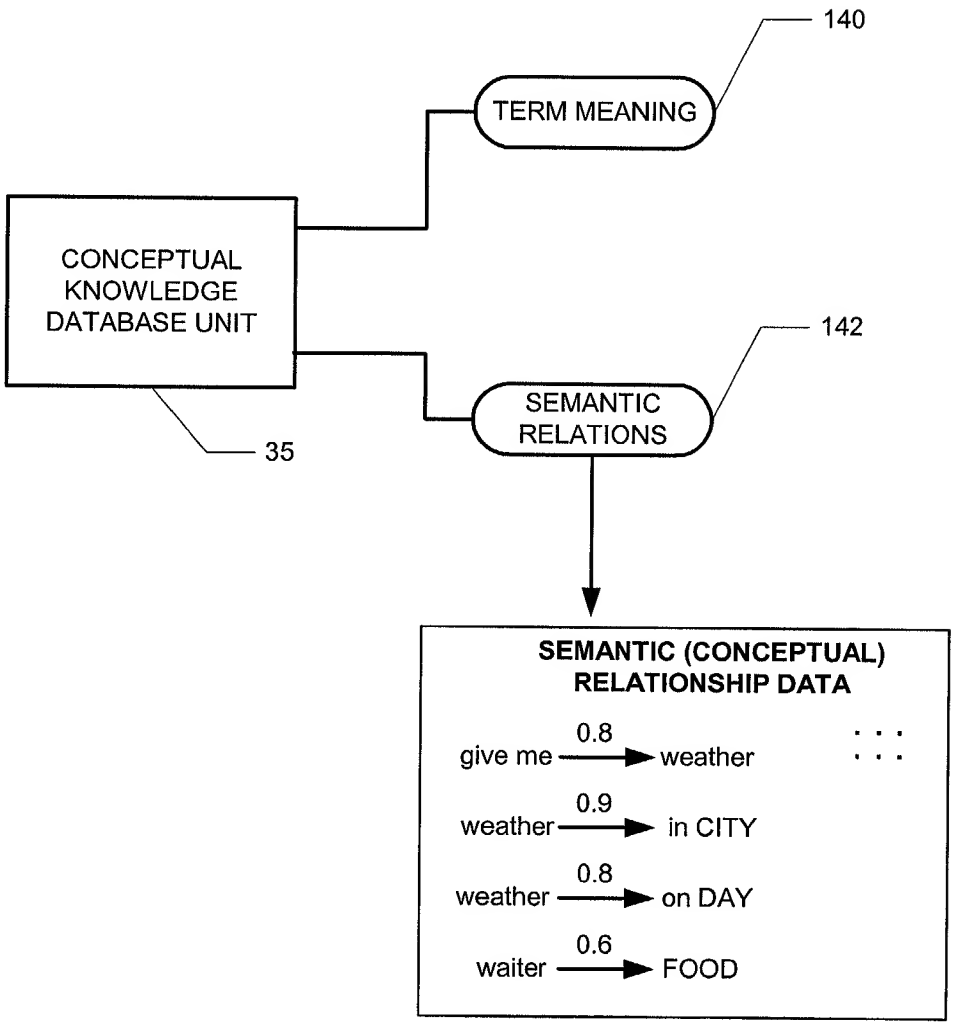

FIG. 7

Toh260 Sh0h9860

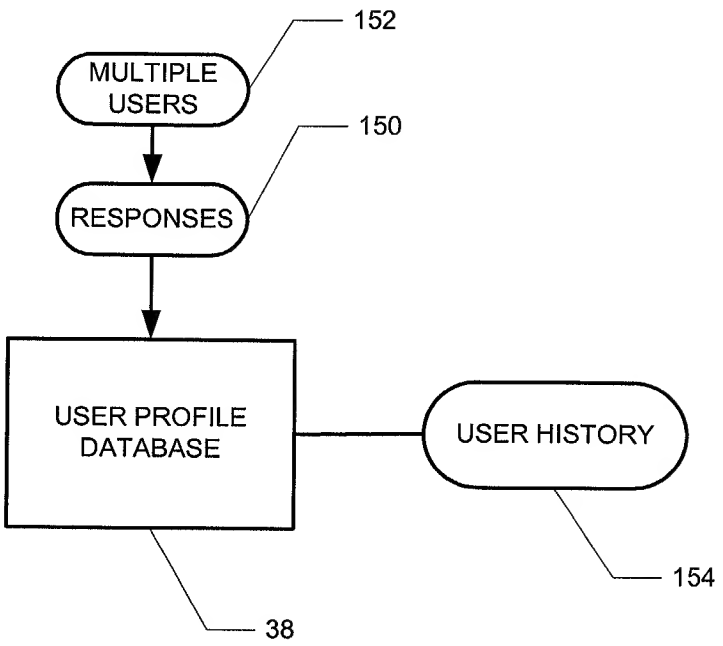

FIG. 8

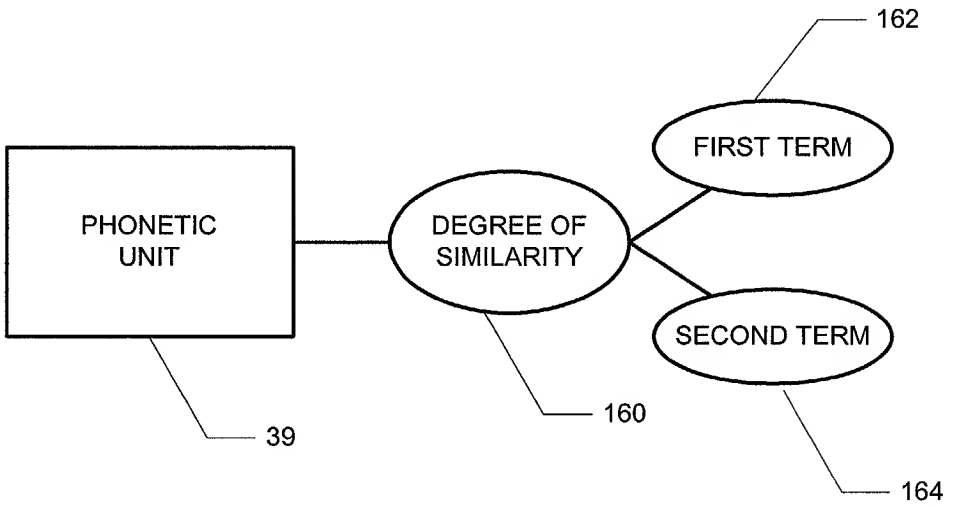
162
FIRST TERM
PHONETIC UNIT
DEGREE OF SIMILARITY
SECOND TERM
39
160
164

FIG. 9